

FIG. 1

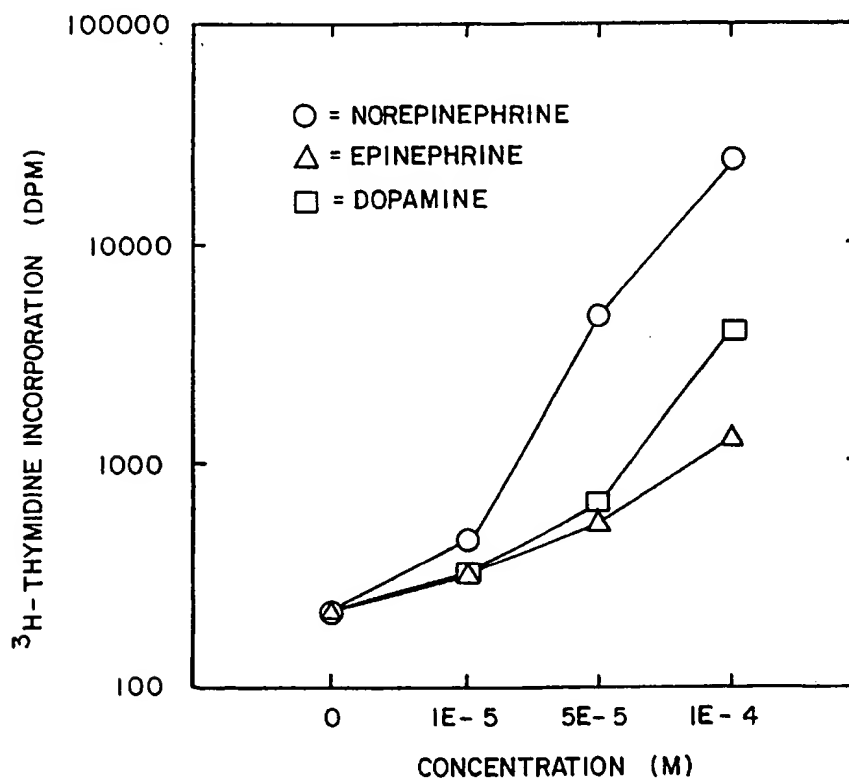


FIG. 3

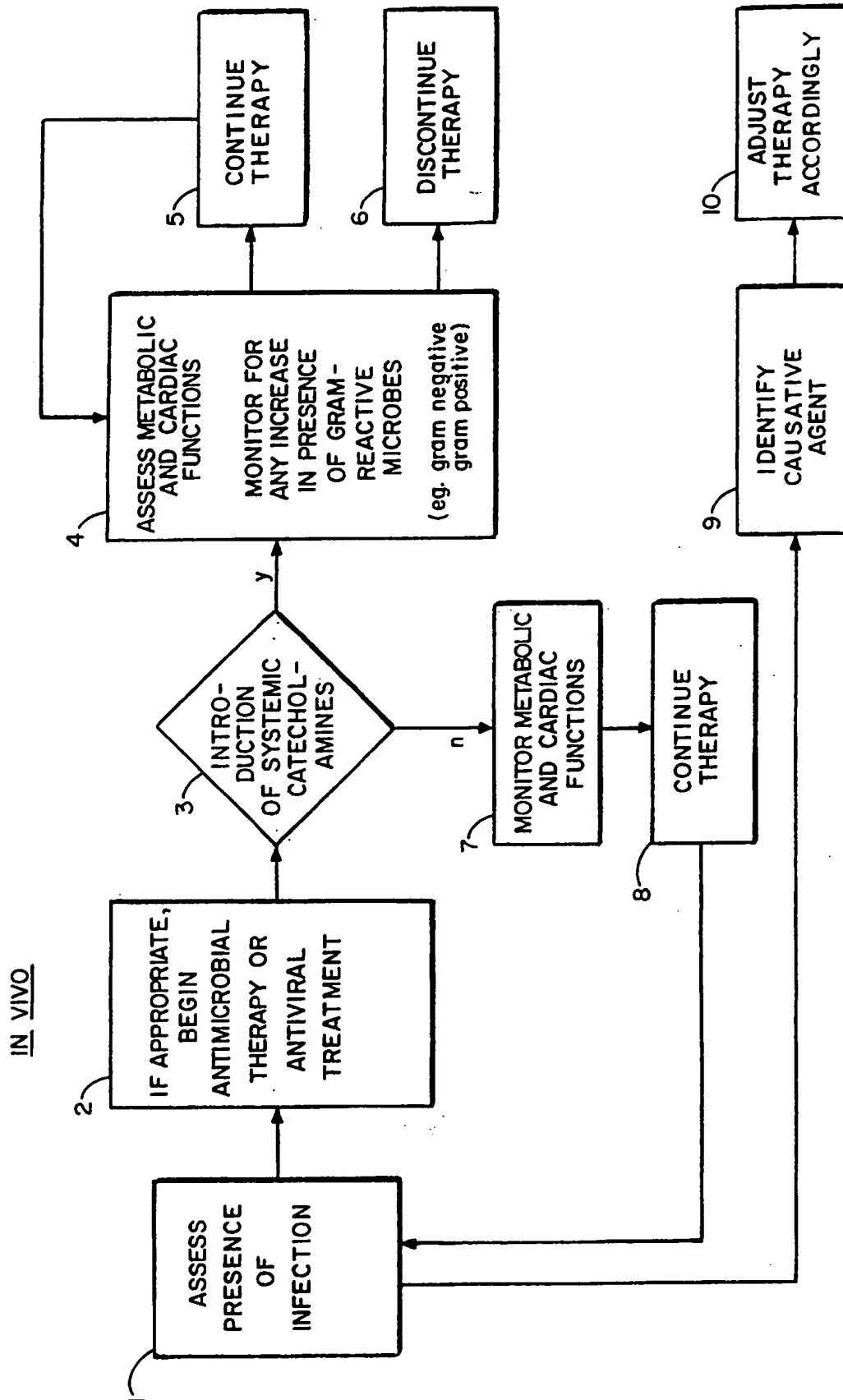


FIG. 2

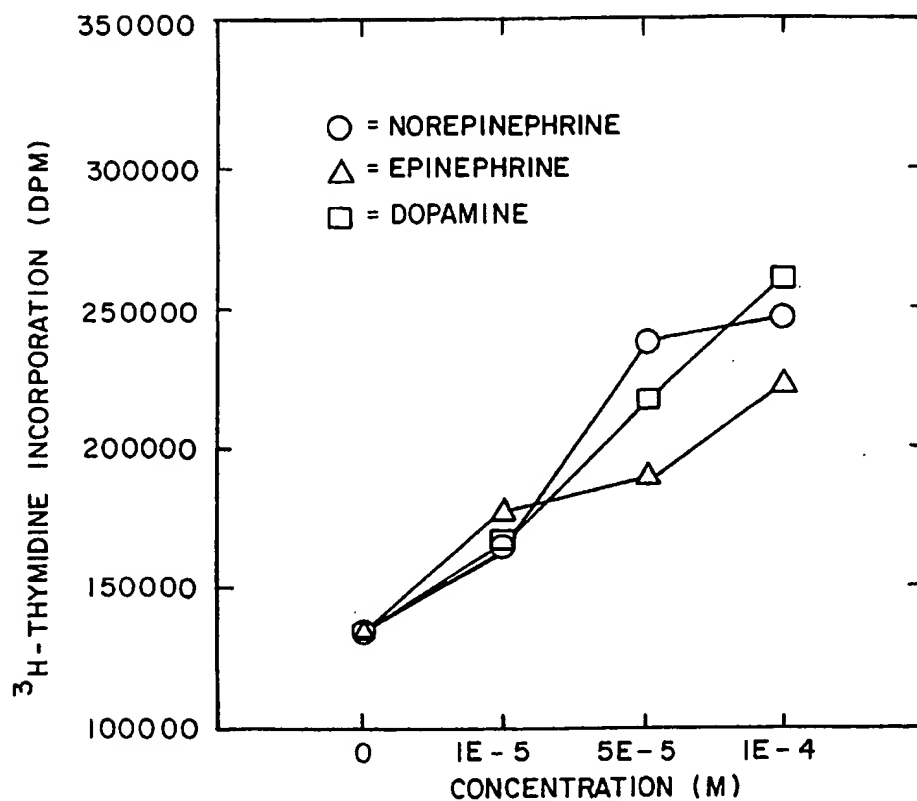


FIG. 4

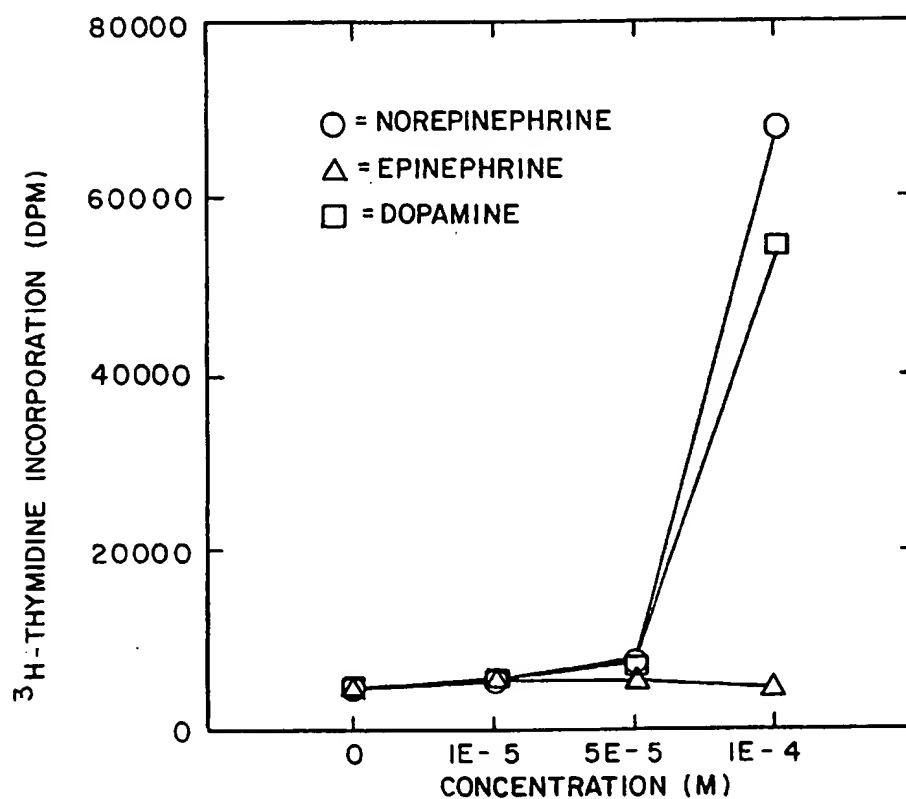
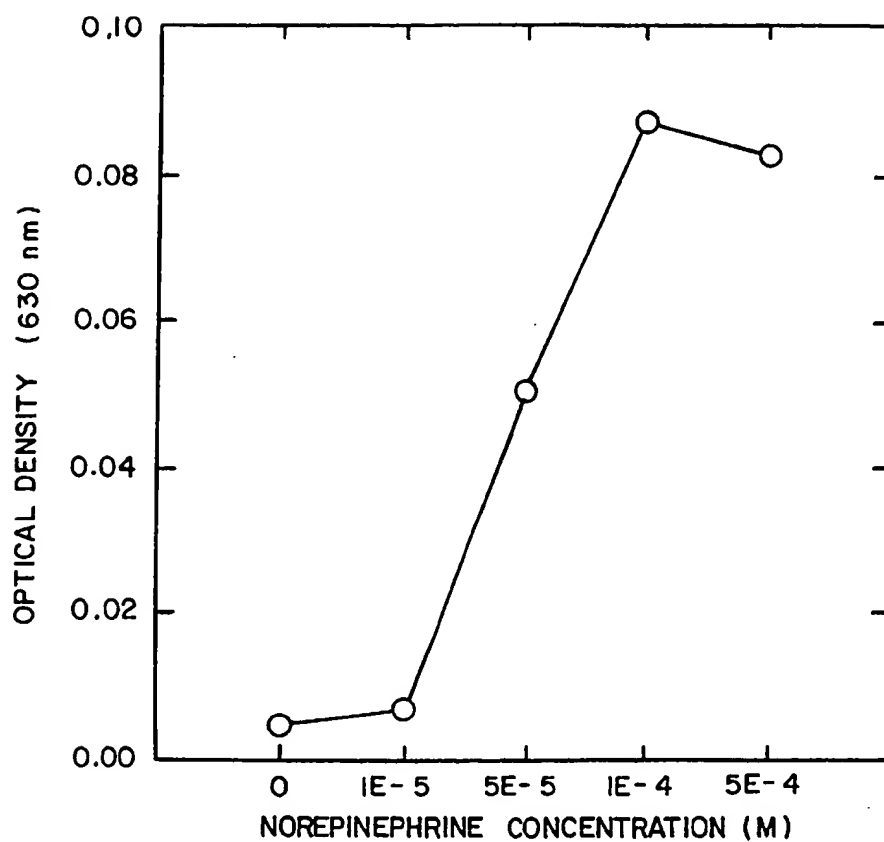
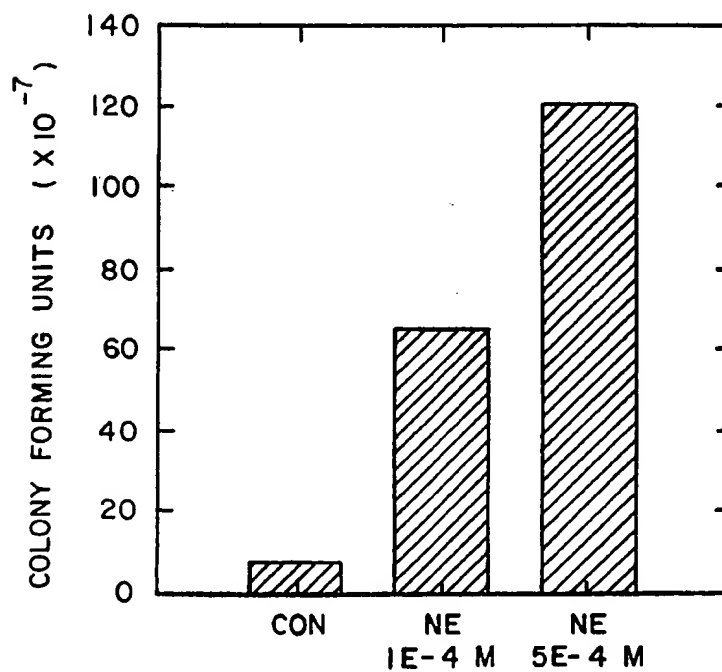


FIG. 5

**FIG. 6****FIG. 7**

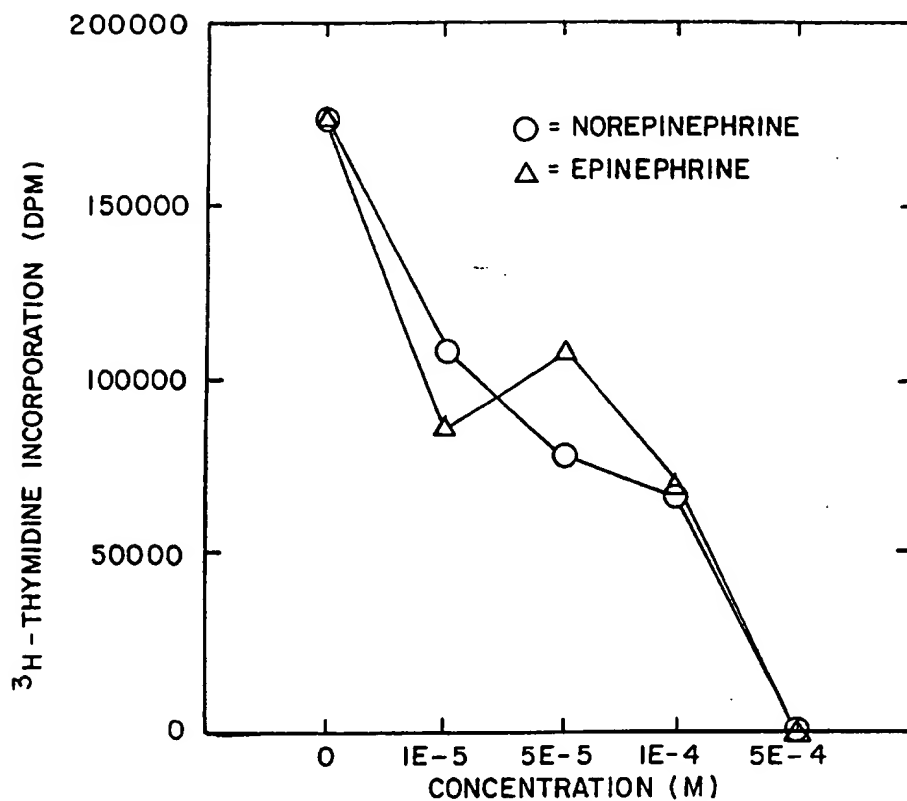


FIG. 8

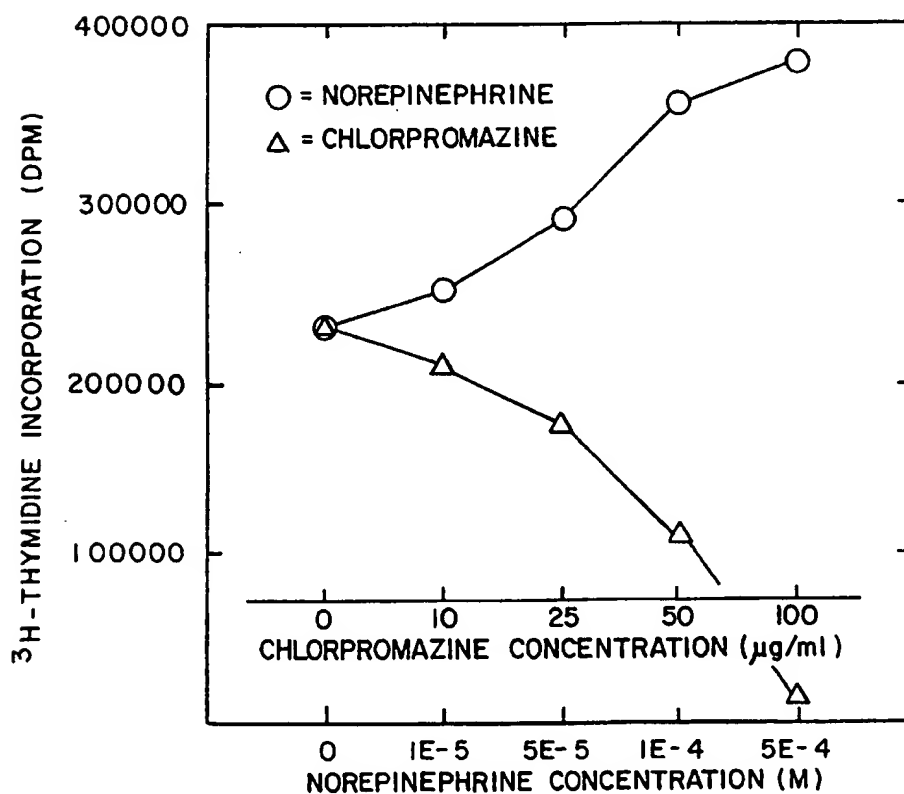


FIG. 9

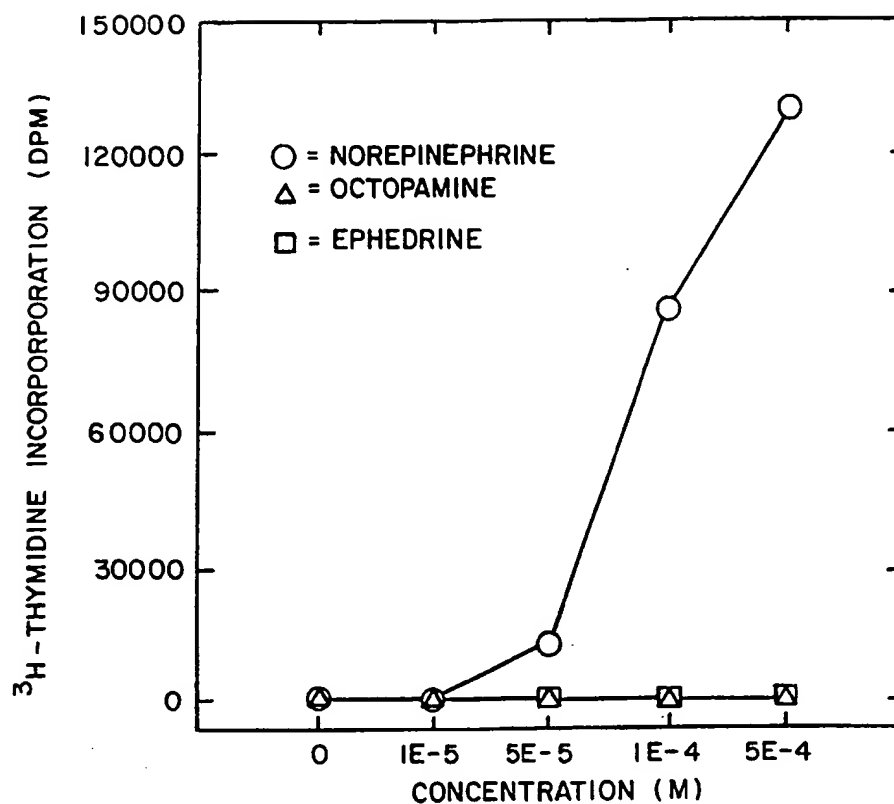


FIG. 10

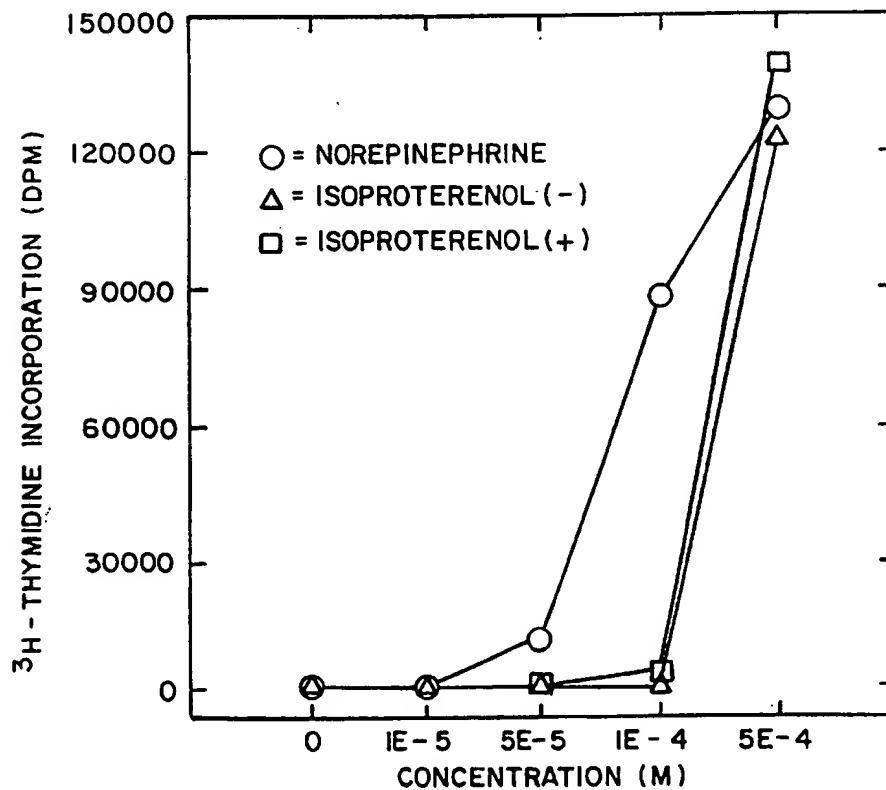
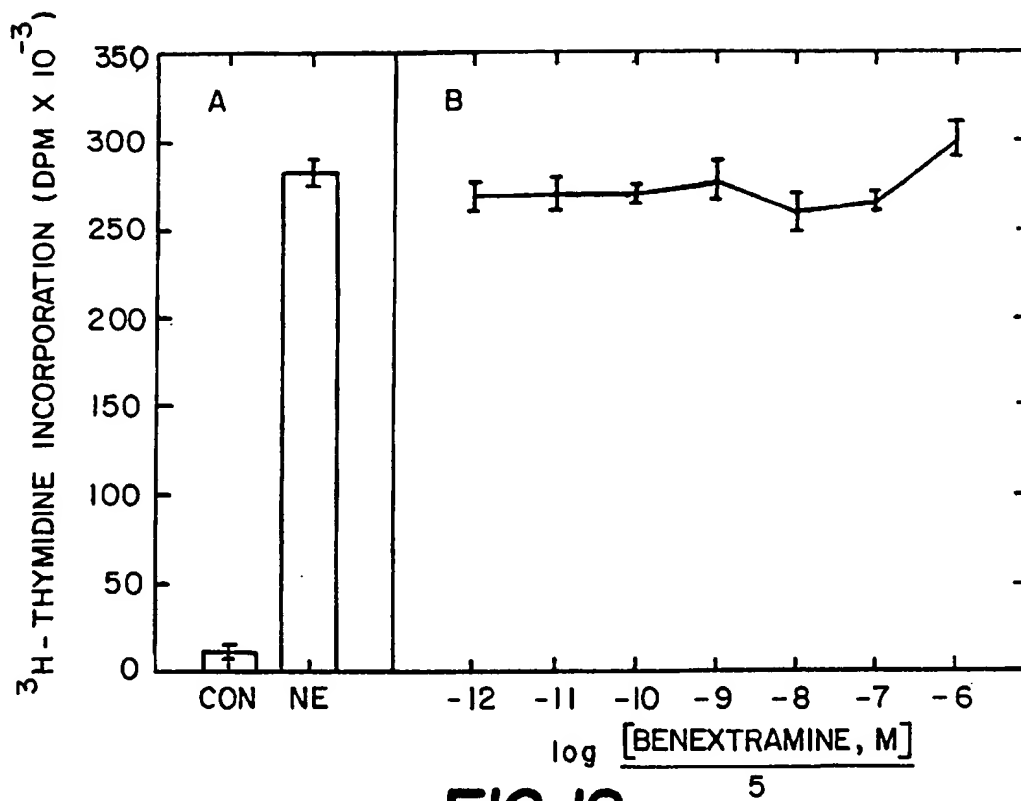
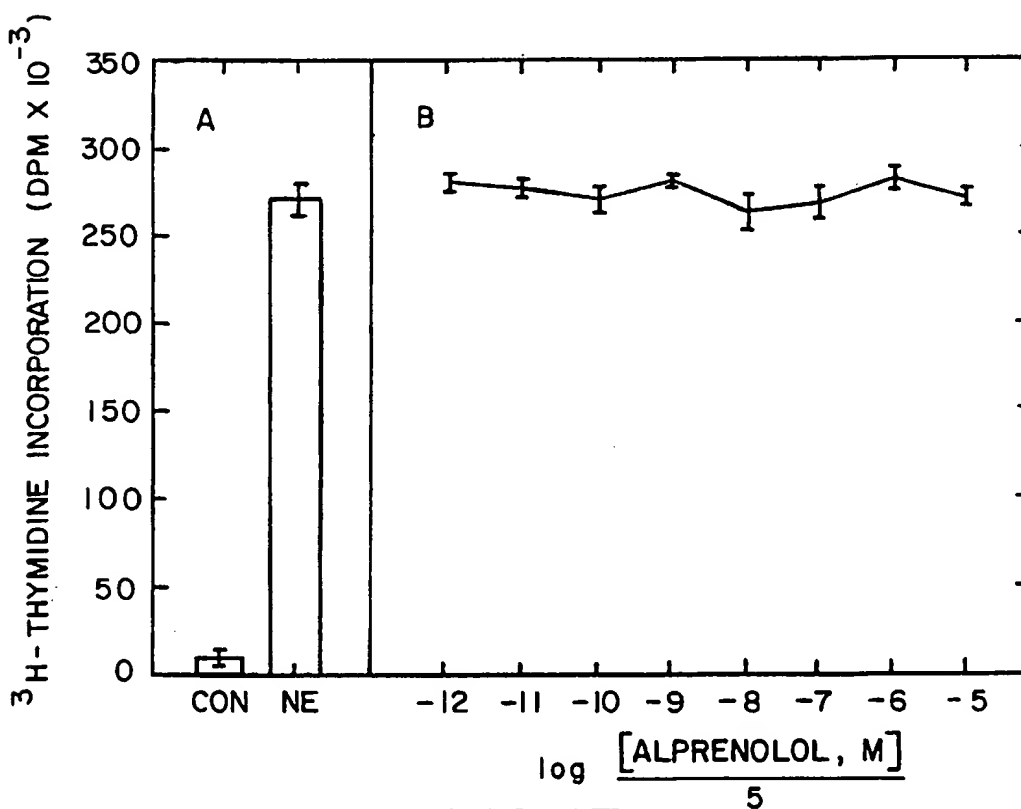


FIG. 11

**FIG. 12****FIG. 13**

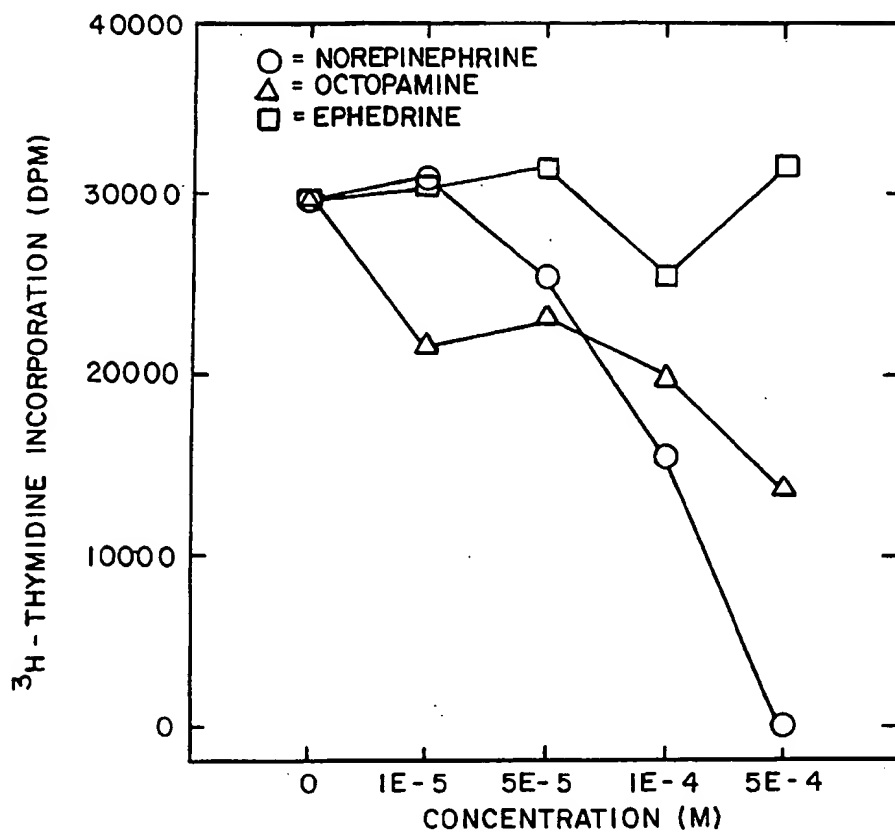


FIG. 14

EFFECT OF NOREPINEPHRINE ON GLUCOSE PRODUCTION  
E. COLI -  $2.4 \times 10^3$  PER WELL

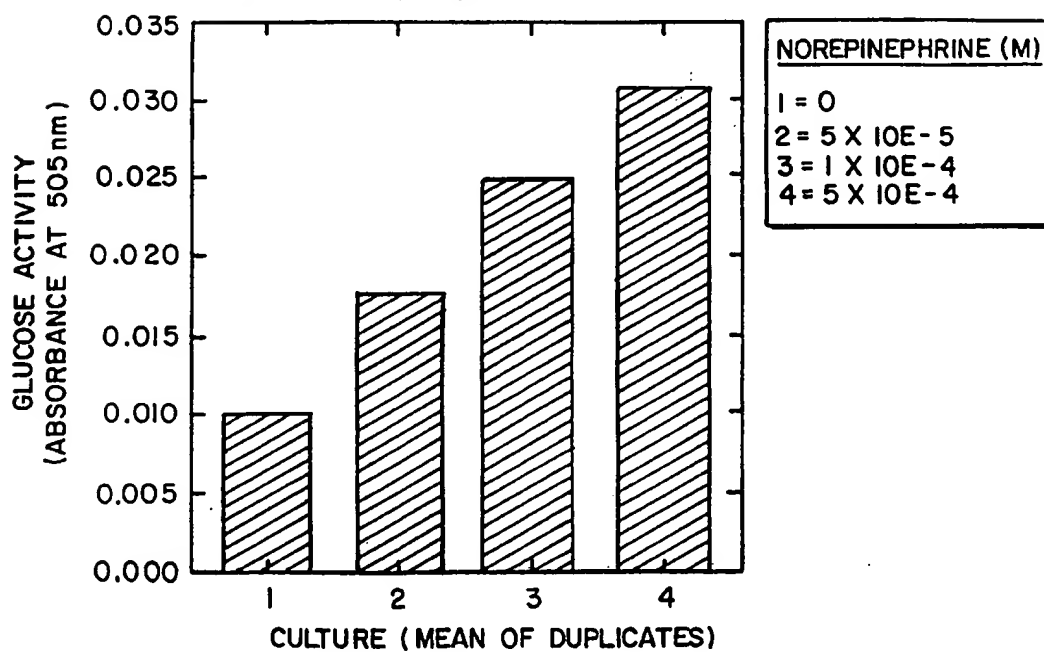


FIG. 15



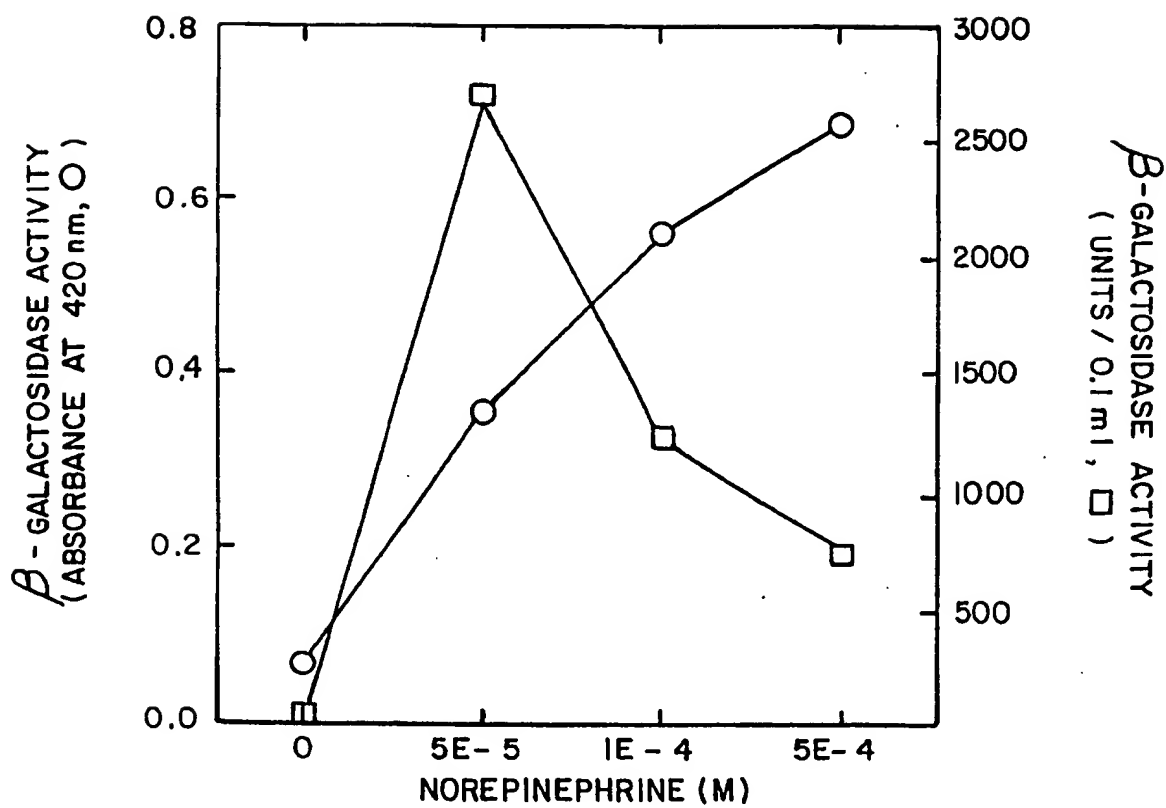
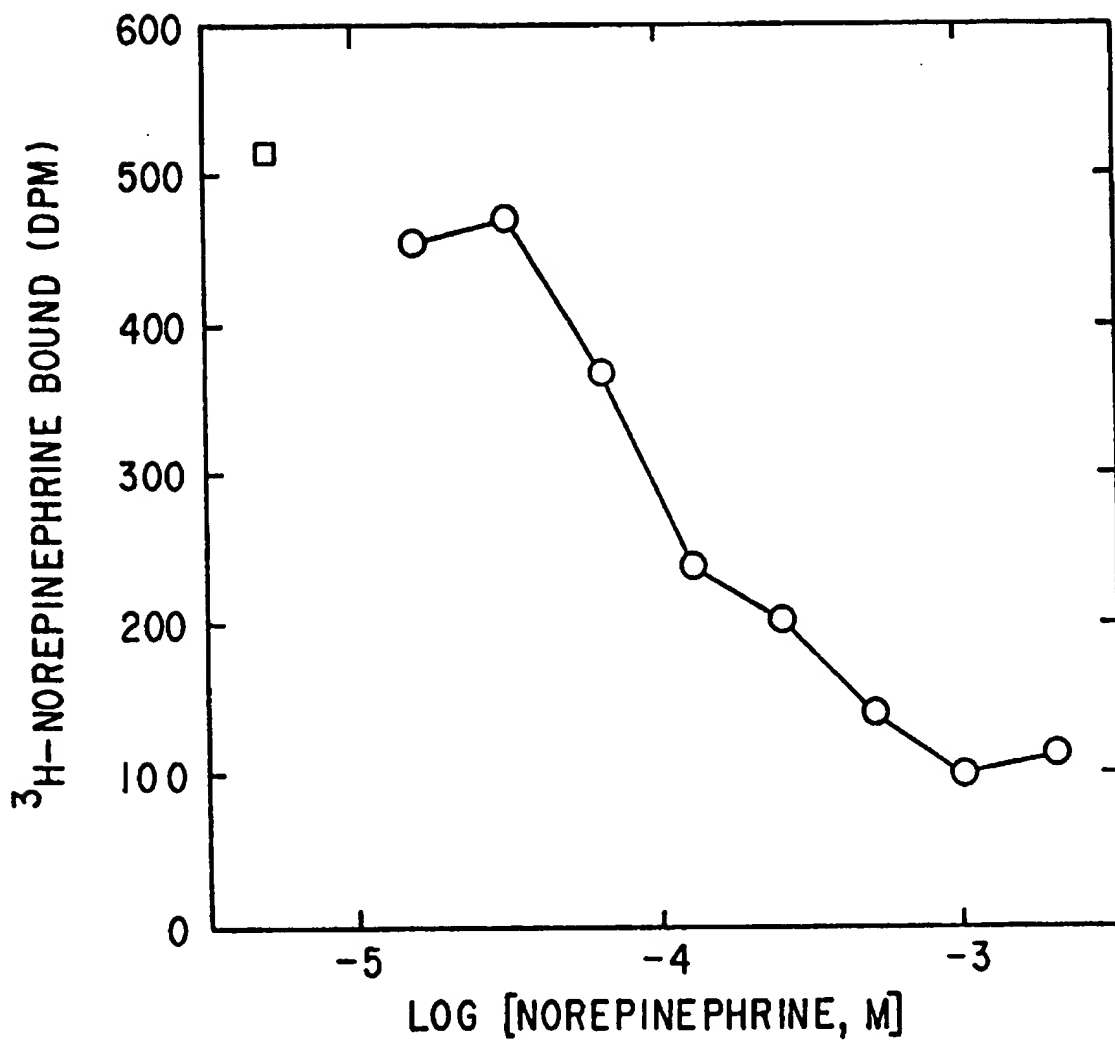
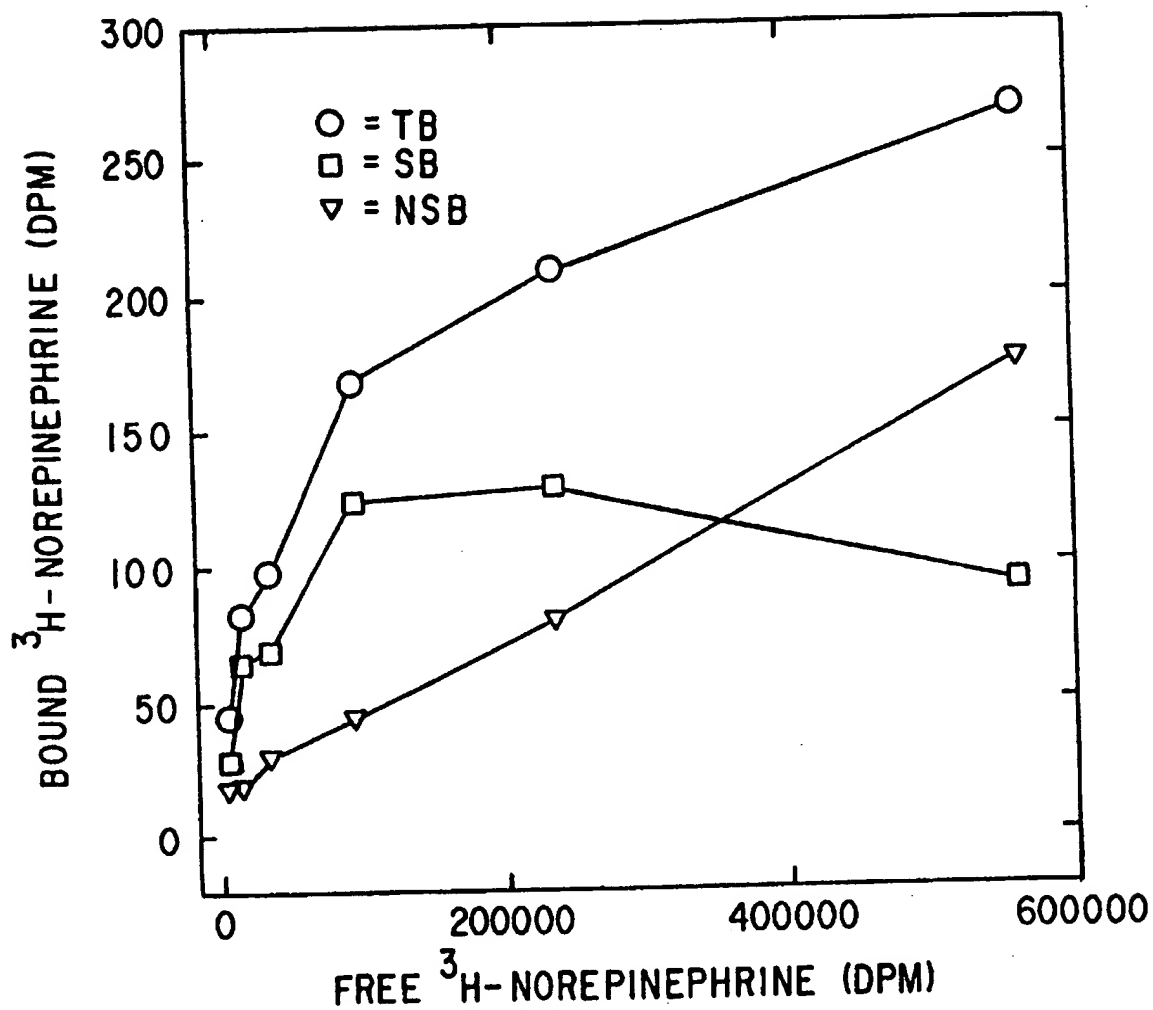
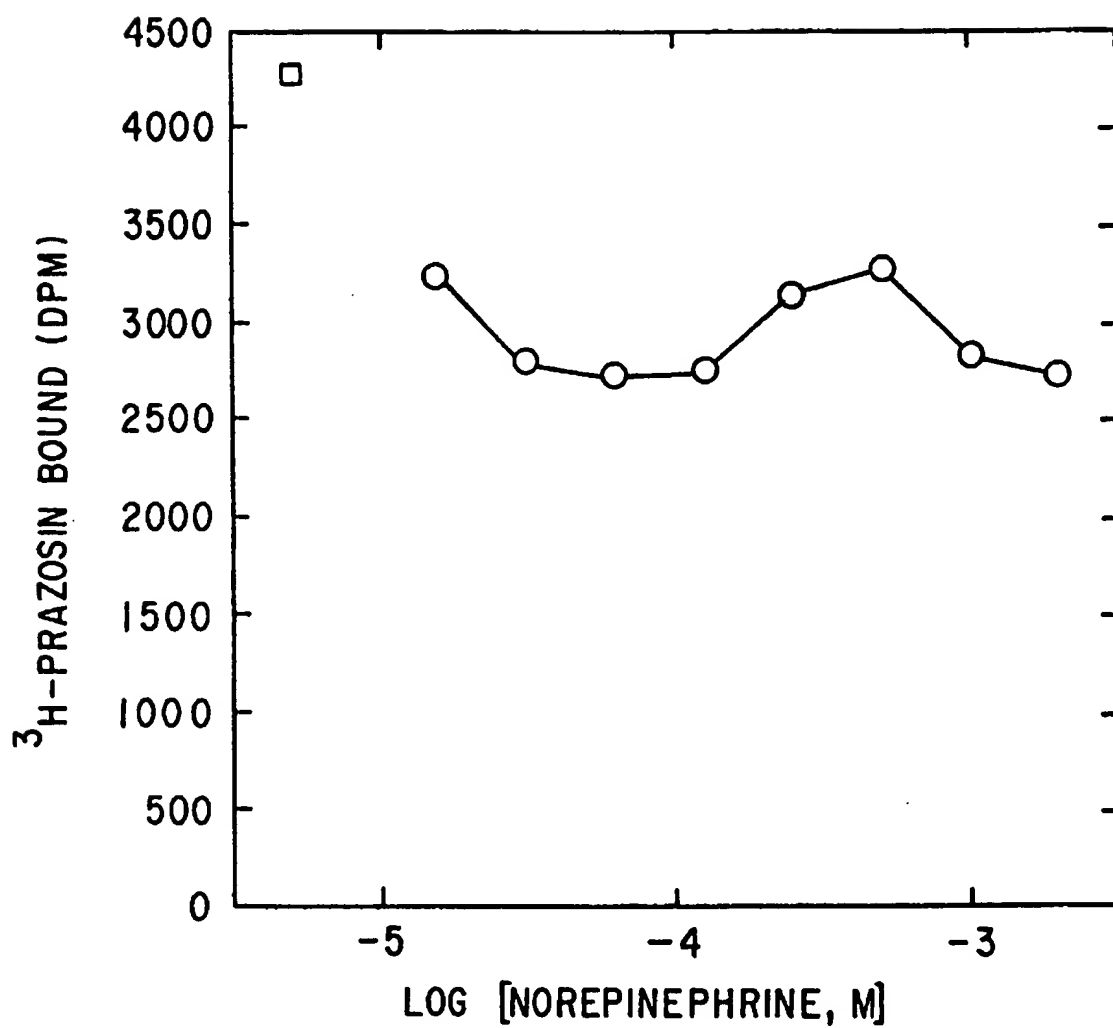
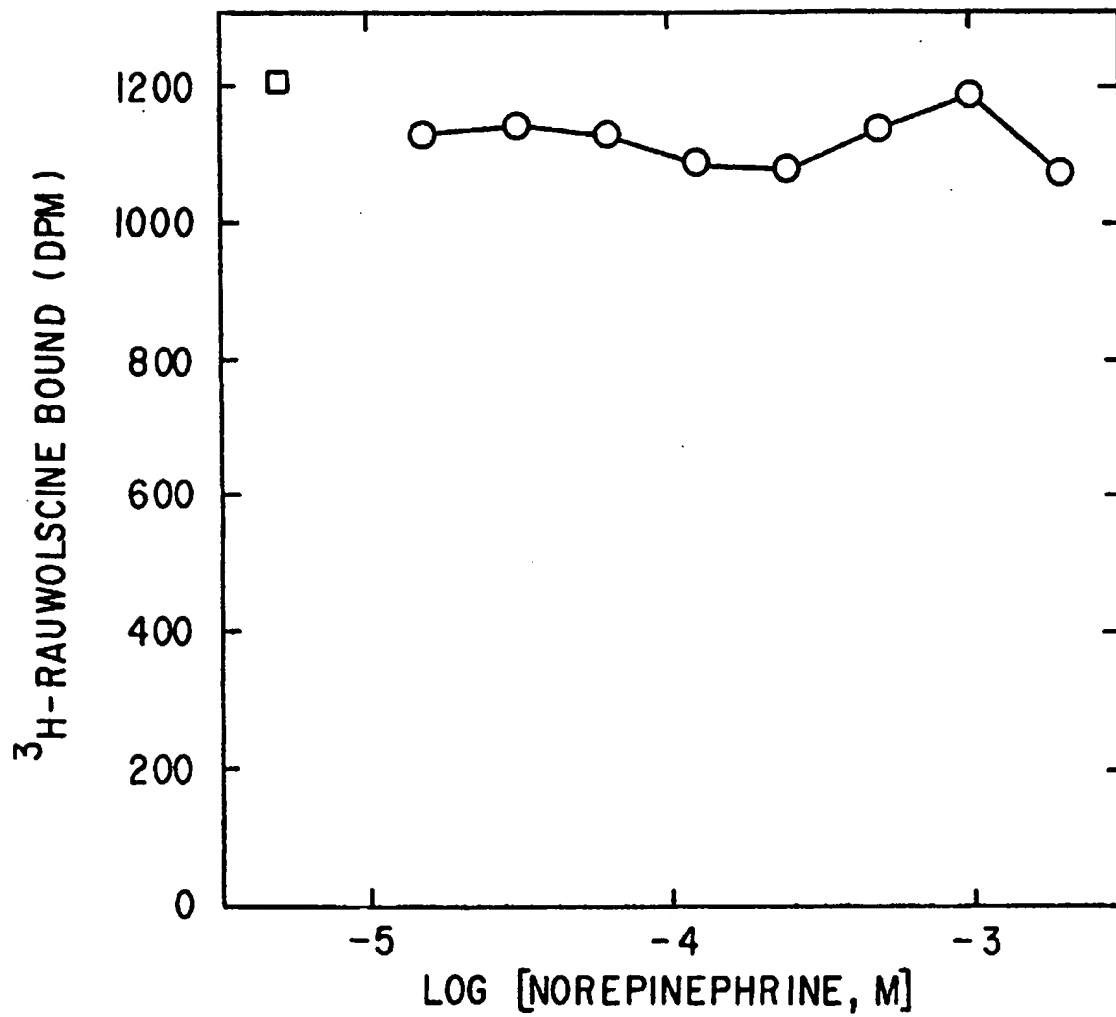


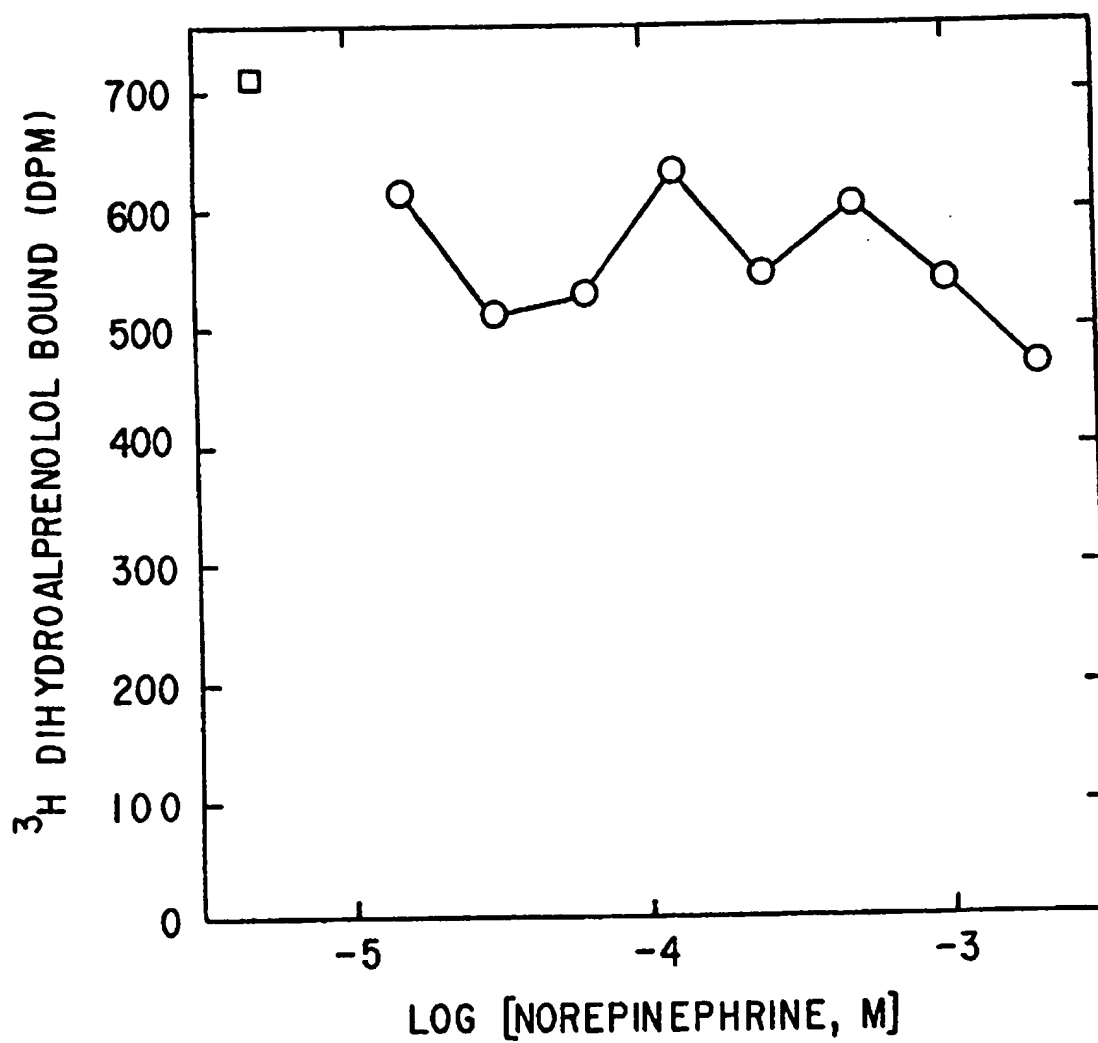
FIG. 16

*FIG. 17*

*FIG. 18*

*FIG. 19A*

*FIG. 19B*

*FIG. 19C*

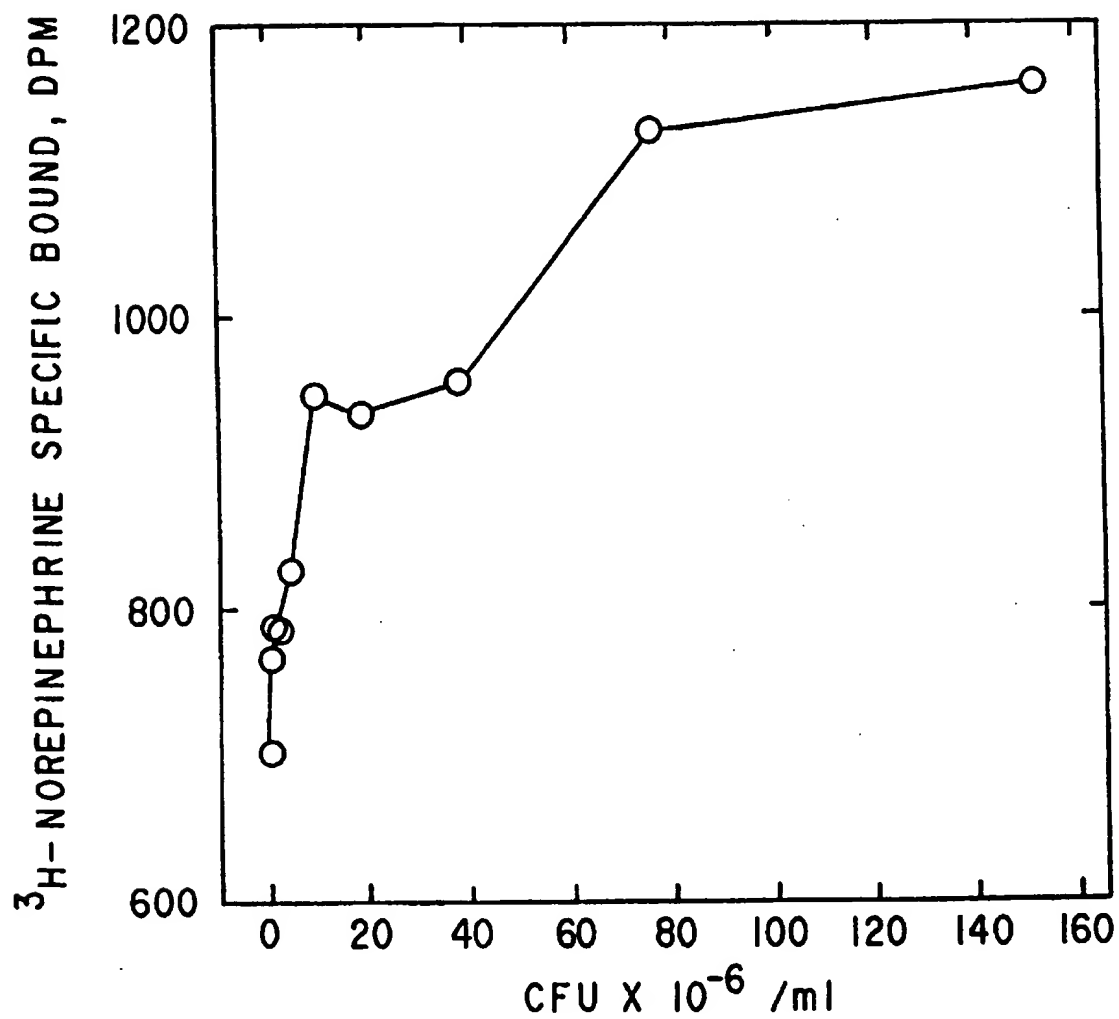
*FIG. 20*

TABLE 1

MICROBE	CFU	CATECHOLAMINE (DPM)					
		<u>0</u>	<u>NE</u>	<u>EPI</u>	<u>DOPA</u>	<u>MHPG</u>	<u>NOR</u>
YERSINIA ENTERO- COLITICA	80	722	54342	856	6623	853	866
ESCHERICHIA COLI	15	258	24629	1563	4354	1105	632
ESCHERICHIA COLI	1500	135349	243531	226365	255121	183496	95081

FIG. 21

TABLE 2

CFU	COMPOUND (DPM)					
	<u>0</u>	<u>NE</u>	<u>OCI</u>	<u>(-)ISO</u>	<u>(+)ISO</u>	<u>EPH</u>
130	150	29243	159	146	183	297

FIG. 22